

DEPARTMENT OF LABOR AND ECONOMIC GROWTH

DIRECTOR'S OFFICE

CONSTRUCTION CODE

Filed with the Secretary of State on
These rules take effect

(By authority conferred on the director of the department of labor and economic growth by section 4 of 1972 PA 230, MCL 125.1504, and Executive Reorganization Order Nos. 1996-2 and 2003-1, MCL 445.2001 and 445.2011)

R 408.30701, R 408.30716, R 408.30717, R 408.30718, R 408.30719, R 408.30720, R 408.30723, R 408.30725c, R 408.30730, R 408.30735, R 408.30741c, R 408.30749, R 408.30758, R 408.30771, R 408.30785, and R 408.30791 of the Michigan Administrative Code are amended, and R 408.30731 is added to the Code as follows:

PART 7. PLUMBING CODE

AMENDMENTS AND ADDITIONS TO BASIC PLUMBING CODE

R 408.30701 Applicable code.

Rule 701. Rules governing the installation, replacement, alteration, relocation, and use of plumbing systems or plumbing materials shall be those contained in the international plumbing code, 2003~~6~~⁶ edition, including appendices B, C, D, F, and G, except for sections 103.2, 103.4, 104.2, 106.6.1, 106.6.2, 106.6.3, 107.1.2, 107.1.2.1, 107.1.2.2, 107.1.2.3, 109.2 to 109.7, 312.1.1, 602.3 to 602.3.5.1, 604.11, 608.17 to 608.17.8, 708.3.2, 708.3.6, 1106.6, and table 1106.6. With the exceptions noted, the code is adopted in these rules by reference. All references to the International Building Code, International Residential Code, International Energy Conservation Code, International Electrical Code, International Mechanical Code, and International Plumbing Code mean the Michigan Building Code, Michigan Residential Code, Michigan Uniform Energy Code, Michigan Electrical Code, Michigan Mechanical Code, and Michigan Plumbing Code respectively. The code is available for inspection at the Okemos office of the Michigan department of ~~consumer and industry services~~**labor & economic growth**, bureau of construction codes ~~and fire safety~~. The code may be purchased from the International Code Council, 5203 Leesburg Pike, Suite 600, Falls Church, VA 22041, or from the Michigan Department of ~~Consumer and Industry Services~~**Labor & Economic Growth**, Bureau of Construction Codes ~~and Fire Safety~~, 2501 Woodlake Circle, Okemos, Michigan 48864, at a cost as of the time of adoption of these rules of ~~\$45.00~~**\$50.00** each.

R 408.30716 Fees.

Rule 716. Section 106.6 of the code is amended to read as follows:

Rule 106.6. Fees. The fees prescribed by ~~the act section 22 of 1972 PA 230, MCL 125.1522~~ shall be paid to the enforcing agency of the jurisdiction before a permit to begin

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work for new construction, alteration, removal, demolition, or other building operation may be issued. In addition, an amendment to a permit necessitating an additional fee shall not be approved until the additional fee is paid.

R 408.30717 Duties and powers of ~~the~~code official.

Rule 717. Sections 104.1 and 104.5 of the code are amended to read as follows:

104.1 General. The code official shall enforce all of the provisions of the code and shall act on any question relative to the installation, alteration, repair, maintenance, or operation of all plumbing systems, devices, and equipment except as specifically provided for by statutory requirements or as provided for in sections 104.3 through 104.8.

104.5. Right of entry. In the discharge of duties, the code official may enter any building, structure, or premises in the jurisdiction to enforce the provisions of the act and the code ~~under section 12 of 1972 PA 230, MCL 125.1512.~~

R 408.30718 Violation penalties.

Rule 718. Section 108.4 of the code is amended to read as follows:

108.4. Violation penalties. A person who violates a provision of the code, who fails to conform with any of the requirements thereof, or who erects, installs, alters, or repairs plumbing work in violation of the approved construction documents or directive of the enforcing agency, or a permit or certificate issued under the provisions of the code shall be assessed a fine in accordance with **the act** ~~section 23 of 1972 PA 230, MCL 125.1523~~ and 2002 PA 733, MCL 338.3511 et seq.

R 408.30719 Stop work orders.

Rule 719. Section 108.5 of the code is amended to read as follows:

108.5. Stop work orders. Upon notice from the enforcing agency of work on any plumbing system that is being done contrary to the provisions of the code or in a dangerous or unsafe manner, the work shall immediately cease. Notice shall be in accordance with **the act** ~~section 12 of 1972 PA 230, MCL 125.1512.~~ A person who is served with a stop work order, except for work that the person is directed to perform to remove a violation or unsafe condition is subject to the penalty provisions prescribed by **the act** ~~section 23 of 1972 PA 230, MCL 125.1523.~~

R 408.30720 Means of appeal.

Rule 720. Section 109.1 of the code is amended to read as follows:

109.1 Means of appeal. **An interested** person has the right to appeal a decision of the enforcing agency to the board of appeals **in accordance with the act.** An application for appeal shall be based on a claim that the true intent of the code or the rules governing construction have been incorrectly interpreted, the provisions of the code do not apply, or an equal or better form of construction is proposed. **The decision of a local board of appeals may be appealed to the construction code commission in accordance with the act and time frames.** ~~The application shall be filed in accordance with section 14 of 1972 PA 230, MCL 125.1514.~~

R 408.30723 ~~Shower Valves~~**Distance of trap from vent.**

Rule 723. Section **906.1** ~~424.3~~ of the code is amended to read as follows:

~~424.3. Shower valves. Shower and tub-shower combination valves shall be balanced pressure, thermostatic or combination balanced pressure/thermostatic valves that conform to the requirements of ASSE 1016 or CAS B125. Valves shall be equipped with a means to limit the maximum setting of the valve to 120°F (49°C), which shall be field-adjusted in accordance with the manufacturer's instructions.~~

~~The ASSE 1016 standard which is adopted by reference in these rules is available for inspection at the Michigan Department of Consumer and Industry Services, Bureau of Construction Codes and Fire Safety, 2501 Woodlake Circle, Okemos, Michigan 48864, or from the American Society of Sanitary Engineering, 901 Canterbury Road, Suite A, Westlake, Ohio 44145, at a cost as of the time of adoption of these amendatory rules of \$40.00. The CSA B125 which is adopted by reference in these rules is available for inspection at the Michigan Department of Consumer and Industry Services or from the Canadian Standards Association 5060 Spectrum Way, Mississauga, Ontario, Canada L4W 5N6 at a cost as of the time of adoption of these amendatory rules of \$68.00.~~

906.1 Distance of trap from vent. Each fixture trap shall have a protecting vent located so that the slope and the developed length in the fixture drain from the trap weir to the vent fitting are within the requirements in table 906.1.

R 408.30725c ~~Urinal partitions.~~ **Venting of fixture drains.**

Rule 725c. Section **906.2** of the code is amended to read as follows: ~~310.5 is added to the code to read as follows:~~

~~310.5. Urinal partitions. Each urinal that is used by the public or by employees shall be separated by a partition, wall, or water closet privacy compartment on each side to secure privacy.~~

~~Exception: If a urinal that is not required is installed in a room which is intended for a single occupant and which has a door that can be locked from the inside, then separate privacy partitions are not required.~~ **906.2 Venting of fixture drains.** The vent for a fixture drain, except where serving a fixture with integral traps, such as water closets, shall connect above the weir of the fixture trap being vented.

R 408.30730 Sewer required.

Rule 730. Section 701.2 of the code is amended to read as follows:

701.2. Sewer required. Every building in which plumbing fixtures are installed and all premises having drainage piping shall be connected to a public sewer, where available, or an approved private sewage disposal system.

R 408.30731. Laundries.

Rule 731. Section 1003.6 of the code is amended to read as follows:

1003.6 Laundries. Commercial laundries shall be equipped with an interceptor with a wire basket or similar device, removable for cleaning, that prevents passage into the drainage system of solids 0.5 inch (12.7 mm) or larger in size, string, rags, buttons or other materials detrimental to the public sewage system.

R 408.30735 Hot water supply required.

Rule 735. Section 607.1 of the code is amended to read as follows:

607.1. Where required. **(1) In residential occupancies, hot water shall be supplied to all plumbing fixtures and equipment utilized for bathing, washing, culinary purposes, cleansing, laundry or building maintenance. In nonresidential occupancies, hot water shall be supplied for culinary purposes, cleansing, laundry or building maintenance purposes. In nonresidential occupancies, hot water or tempered water shall be supplied for bathing and washing purposes. Tempered water shall be supplied through a water temperature limiting device that conforms to ASSE 1070, as referenced in chapter 13 of the code, and shall limit the tempered water to a maximum of 110 degrees Fahrenheit (43 degrees Celsius). This provision shall not supersede the requirement for protective shower valves in accordance with section 424.3 of the code.**~~In occupied structures, hot water shall be supplied to all plumbing fixtures and equipment utilized for bathing, hand washing, washing, culinary purposes, cleansing, laundry, or building maintenance.~~

~~Exceptions:~~

- ~~1. In nonresidential occupancies, hot water or tempered water shall be supplied for bathing and hand washing purposes.~~
- ~~2. Tempered water shall be supplied to bathing and hand washing facilities in the occupancies identified in subdivisions (a) to (h) of this exception through a control valve that conforms to ASSE 1016, the standard of the American society of sanitary engineering, which is adopted in these rules by reference. The standard may be purchased from the American Society of Sanitary Engineering, 901 Canterbury Road, Suite A, Westlake, Ohio 44145, at a cost as of the time of adoption of these rules of \$40.00 each, or from the Michigan Department of Consumer and Industry Services, Bureau of Construction Codes, 2501 Woodlake Circle, Okemos, Michigan 48864, at a cost as of the time of adoption of these rules of \$40.00 each, plus mailing costs. This standard may be inspected at the Okemos office of the Michigan department of consumer and industry services.~~

(2) Tempered water shall be supplied to bathing and hand washing facilities in the occupancies identified in subdivisions (a) to (h) of this subrule by individual water temperature limiting devices to individual fixtures.

- (a) Elementary schools.
- (b) Child care centers.
- (c) Day care centers.
- (d) Nurseries.
- (e) Adult group homes.
- (f) Adult congregate homes.
- (g) Children's camps.
- (h) At accessible plumbing fixtures.

R 408.30741c Connections to automatic fire sprinkler systems and standpipe systems.~~Beverage dispensers.~~

Rule 741c. Section 608.16.4 of the code is amended to read as follows:

608.16.4 Connections to automatic fire sprinkler systems and standpipe systems. The potable water supply to automatic fire sprinkler systems and standpipe systems shall be protected against backflow by a double check-valve assembly or a reduced pressure principle backflow preventer.

Exception: Isolation of the water distribution system is not required for deluge, preaction, or dry pipe systems.

R 408.30749 ~~Individual venting required.~~ **Special equipment; water supply protection.**

Rule 749. Section ~~906.4~~ **608.3.1 of the code is amended to read as follows:** ~~is added to the code to read as follows:~~

~~906.4. Individual venting is required. If fixtures other than water closets discharge into only a 3-inch horizontal branch downstream from a water closet, then each fixture connecting less than 54 inches downstream from the water closet flange shall be individually vented.~~ **608.3.1. The water supply for hospital fixtures shall be protected against backflow with a reduced pressure principle backflow preventer, an atmospheric or spill-proof vacuum breaker, or an air gap. Vacuum breakers for bedpan washer hoses, autopsy tables and hose connections in health care or laboratory areas shall not be located less than 6 feet (1829 mm) above the floor.**

R 408.30758 Minimum number of fixtures.

Rule 758. Section 403.1 of the code is amended to read as follows:

403.1. Minimum number of fixtures. Plumbing fixtures shall be provided for the type of occupancy and in the minimum number shown in Table 403.1. Types of occupancies not shown in Table 403.1 shall be considered individually by the code official. The number of occupants shall be determined in accordance with the Michigan building code. Occupancy classification shall be determined in accordance with the Michigan building code.

Exceptions:

1. The actual number of occupants determined by a supporting affidavit from the owner or agency.
2. Hand washing sinks in food service establishments shall be provided in accordance with the requirements of **regulation no. 553, food establishments, R 285.553.1 to R 285.553.26 of the Michigan department of agriculture.**
3. Toilet facilities for public swimming pools shall be provided in accordance with the requirements of **public swimming pools, R 325.2111 to R 325.2199 of the Michigan department of environmental quality.**
4. Toilet facilities for child care center, day care center and nursery school facilities shall be provided in accordance with the requirements of **child day care licensing – child care centers, R 400.5101 to R 400.5940 of the Michigan department of human services.** ~~department of consumer and industry services.~~
5. Toilet facilities for children's camps shall be provided in accordance with the requirements of **children's and adult foster care camps, R 400.11101 to R 400.11319 of the Michigan department of human services.** ~~consumer and industry services.~~

R 408.30777 Scope; water service; distance limits; method of installations.

Rule 777. Section 601.1 of the code is amended to read as follows:

601.1. Scope. The provisions of this article shall control the design and installation of water supply systems, both hot and cold. Refer to 1976 PA 399, MCL 325.1001 et seq., for additional requirements on water supply systems pertaining to establishments that are subject to regulation or licensure, or both, by the department of environmental quality.

Compliance with the provisions of this article, however, does not relieve any person from complying with the additional requirements imposed upon water supply systems pursuant to authority vested in the Michigan department of environmental quality under 1976 PA 399, MCL 325.1001 et seq., 1976~~8~~ PA 368, MCL 333.1101 et seq., and 1987 PA 96, MCL 125.2301 et seq., or other applicable provisions of state law.

R 408.30785 Requirements for discharge piping.~~Discharge.~~

Rule 785. Section 504.6-1 of the code is amended to read as follows:

504.6-1. Requirements for discharge piping.~~Discharge.~~

~~Relief valve discharge pipe shall be rigid pipe approved for water distribution with a rating of 210 degrees Fahrenheit.~~

~~The discharge piping shall be the same diameter as the relief valve outlet and shall drain by gravity flow. Valves shall not be connected in the relief valve discharge pipe. Relief valves shall not discharge so as to be a hazard, a potential cause of damage, or a nuisance.~~

~~Discharge pipe from relief valves shall terminate atmospherically not more than 4 inches from the floor with an unthreaded end.~~ **(1) Relief valves shall not discharge so as to be a hazard, a potential cause of damage, or a nuisance. A relief valve discharge pipe shall be provided for each individual relief valve and shall meet all of the following:**

(a) Shall terminate atmospherically not more than 4 inches (1220 mm) from the floor with an unthreaded end.

(b) Shall not be interconnected.

(c) Valves shall not be connected in the relief valve discharge pipe.

(d) Shall be rigid pipe approved for water distribution, with a minimum temperature rating of 210 degrees Fahrenheit.

(e) Shall have the same nominal inside diameter as the relief valve outlet and shall drain by gravity flow.

(2) The outlet of a pressure, temperature or other relief valve shall not be directly connected to the drainage system.

R 408.30791 Definitions.

Rule 791. Section 202 of the code is amended to amend the definition of code official and add the definitions of **the act** and plumbing contractor.

“Act” means 1972 PA 230, MCL 125.1501 and known as the Stille-DeRossett-Hale single state construction code act.

“Code official” means the person appointed and employed by a governmental subdivision charged with the administration and enforcement of the state code or codes and registered in accordance with the requirements of 1986 PA 54, MCL 338.2301 et seq.

"Plumbing contractor" means a person who is licensed in accordance with 2002 PA 733, MCL 338.3511 et seq.